

ABSTRACT OF THE DISCLOSURE

A technique for preventing information losses due to network node failures is disclosed. In one embodiment, the technique is realized by operatively connecting at least one backup node to a primary node. The at least one backup node and the primary node are synchronized. Ingress traffic is received from a first endpoint in the primary node. The ingress traffic is replicated to the at least one backup node. Primary egress traffic related to the ingress traffic is output from the primary node. Backup egress traffic related to the ingress traffic is output from the at least one backup node. It is then determined whether the primary node has failed. If it is determined that the primary node has not failed, the primary egress traffic is transmitted to a second endpoint. However, if it is determined that the primary node has failed, the backup egress traffic from a selected one of the at least one backup nodes is transmitted to the second endpoint, wherein the backup egress traffic from the selected one of the at least one backup nodes replaces the primary egress traffic to the

Patent Application
Attorney Docket No.: 57983-000033
Client Reference No.: 13424R0

second endpoint and the backup node becomes the primary
node for subsequent traffic.